

DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE

Volume 28 (1997) Contents

NUMBER 1, MAY

BACTERIOLOGY

- Stability of *Legionella* Urinary Antigens Over Time 1
E.W. Rigby, J.F. Plouffe, B.A. Hackman, D.S. Hill, R.F. Benson, and R.F. Breiman
- Microbiologic and Pharmacodynamic Principals Applied to the Antimicrobial Susceptibility Testing of Ampicillin/Sulbactam: Analysis of the Correlations between In Vitro Test Results and Clinical Response 5
R.N. Jones and M.N. Dudley
- A Simple Polymerase Chain Reaction Technique to Detect and Differentiate *Shigella* and Enteroinvasive *Escherichia coli* in Human Feces 19
H.-S.H. Houn, O. Sethabutr, and P. Echeverria

MYCOBACTERIOLOGY

- Reproducibility of Broth Microdilution and Disk Diffusion Susceptibility Tests of Nine Antimicrobial Agents Against *Streptococcus pneumoniae* ATCC 49619 27
P.C. Fuchs, A.L. Barry, S.D. Brown, S.D. Allen, M. Bauman, J.H. Jorgensen, and F.C. Tenover

VIROLOGY

- Comparison of the Vidas and Bio-Whittaker Enzyme Immunoassays for Detecting IgG Reactive with Varicella-Zoster Virus and Mumps Virus 31
G.V. Doern, L. Robbie, and R. St. Amand

NOTES

- Critical Evaluation of the Vitek GNS F6 Card Results Compared to Standardized, Reference Susceptibility Test Methods 35
R.N. Jones, S.A. Marshall, and L. Zerva
- Duration of Fungal Culture Incubation in an Area Endemic for *Histoplasma capsulatum* 41
M.G.M. Hove and G.L. Woods
- Comparison of BACTEC 12B vs Solid Media for the Recovery of *Mycobacterium avium* Complex from Blood Cultures in AIDS Patients 45
M.B. Morgan, R.R. Reves, M.L. Wilson, B.L. Stone, and W.J. Burman
- Comparison of Etest and Agar Dilution for Testing the Activity of Three Macrolides against *Bordetella parapertussis* 49
J.E. Hoppe and T. Tschirner

NUMBER 2, JUNE

BACTERIOLOGY

- Investigation of Nosocomial Infection Caused by Arbekacin-Resistant, Methicillin-Resistant *Staphylococcus aureus* 53

Y. Obayashi, J.F. Fujita, S. Ichiyama, S. Hojo, K. Negayama, C. Takashima, H. Miyawaki, T. Tanabe, Y. Yamaji, K. Kawanishi, and J. Takahara

- Verification of a PCR-Based Typing Method for *Acinetobacter baumannii* in a Pseudo-Outbreak Investigation 61

N. Cimolai and C. Trombley

MYCOLOGY

- Evaluation of Growth Characteristics on Blood Agar and Eosin Methylene Blue Agar for the Identification of *Candida (Torulopsis) glabrata* 65

M.J. Bale, C. Yang, and M.A. Pfaller

MYCOBACTERIOLOGY

- A Comparison of the Bactec 9000MB System and the Septi-Chek AFB System for the Detection of Mycobacteria 69

S.E. Sharp, M. Lemes, S.S. Erlich, and R.J. Poppiti, Jr.

VIROLOGY

- Evaluation of a Commercial Polymerase Chain Reaction Assay for the Detection of *Chlamydia trachomatis* 75

I.D. Kay, S. Palladino, R. Alexander, B.J. Leahy, and J.W. Pearman

ANTIMICROBIAL SUSCEPTIBILITY STUDIES

- Imipenem and Meropenem Activity against *mecA*-Positive Homogeneously and Heterogeneously Oxacillin-Resistant and *mecA*-Negative Oxacillin-Borderline Susceptible Staphylococci 81

C.C. Knapp, M.D. Ludwig, and J.A. Washington

- Evaluation of the In Vitro Activity of Cefepime Compared to Other Broad-Spectrum Cephalosporins against Clinical Isolates from Eighteen Brazilian Hospitals by Using the Etest 87

H.S. Sader, I. Miniça, F. Rossi, C. Zoccoli, A.J.A. Segura, M. Magalhães, A. Nowakowski, and C.M.F. Mendes

- In Vitro Antimicrobial Activity of RU-59863, a C-7 Catechol Substituted Cephalosporin 93

M.E. Erwin, D. Varnam, and R.N. Jones

NOTES

- Accuracy of the Vitek System for Antimicrobial Susceptibility Testing *Enterobacteriaceae* Bloodstream Infection Isolates: Use of "Direct" Inoculation from Bactec 9240 Blood Culture Bottles 101

L.R. Putnam, W.J. Howard, M.A. Pfaller, F.P. Koontz, and R.N. Jones

NUMBER 3, JULY

BACTERIOLOGY

- Evaluation of *Haemophilus influenzae* Isolates with Elevated MICs to Amoxicillin/Clavulanic Acid 105

M.R. Jacobs and S. Bajaksouzian

- Evaluation of CPS ID 2 Chromogenic Agar as a Single Medium for Urine Culture 113

B.S. Reisner and E.F. Austin

MYCOLOGY

- Synergistic Antimycobacterial Activity between Ethanbutol and the Beta-Lactam Drug Cefepime 119

G. Abate and S.E. Hoffner

VIROLOGY

- Antiviral Susceptibility Testing-Flow Cytometric Analysis (AST-FCA) for the Detection of Cytomegalovirus Drug Resistance 123

S.M. Lipson, M. Soni, F.X. Biondo, D.H. Shepp, M.H. Kaplan, and T. Sun

ANTIMICROBIAL SUSCEPTIBILITY STUDIES

- Susceptibility of Twenty Penicillin-Susceptible and -Resistant Pneumococci to Levofloxacin, Ciprofloxacin, Ofloxacin, Erythromycin, Azithromycin, and Clarithromycin by MIC and Time-Kill 131

M.A. Visalli, M.R. Jacobs, and P.C. Appelbaum

- In Vitro Antimicrobial Activity and MIC Quality Control Guidelines of RPR 106972 (RPR 112808/RPR106950): A Novel Orally Administered Streptogramin Combination 139

S.D. Putnam, R.N. Jones, D.M. Johnson, and the Quality Control Study Group

NOTES

- Modification of Christensen Urease Test as an Inexpensive Tool for Detection of *Helicobacter pylori* 149

M.G. Domínguez-Bello, F. Michelangeli, R. Romero, B. Beker, D. Lara, C. Morera, M.A. Vezga, V. Spardella, M. Guelrud, M.E. Pérez, and L.R. Pericchi

- Mycobacterial Growth Indicator Tube for Susceptibility Testing of *Mycobacterium tuberculosis* to Isoniazid and Rifampin 153

J.S. Bergmann and G.L. Woods

NUMBER 4, AUGUST

REVIEW

- A Review of the In Vitro Activity of Meropenem and Comparative Antimicrobial Agents Tested against 30,254 Aerobic and Anaerobic Pathogens Isolated World Wide 157

M.A. Pfaller and R.N. Jones

BACTERIOLOGY

- Antimicrobial Resistance and Serotypes of *Shigella* Isolates in Kigali, Rwanda (1983 to 1993): Increasing Frequency of Multiple Resistance 165

J. Bogaerts, J. Verhaegen, J.P. Munyabikali, B. Mukantabana, P. Lemmens, J. Vandeven, and J. Vandepitte

- Comparison of Polymerase Chain Reaction and Pulsed-Field Gel Electrophoresis for the Epidemiological Typing of *Alcaligenes xylosoxidans* subsp. *xylosoxidans* in a Burn Unit 173

Y.-H. Lin, P.Y.-F. Liu, Z.-Y. Shi, Y.-J. Lau, and B.-S. Hu

MYCOLOGY

- In Vitro Antifungal Activity of BMS-181184 against Systemic Isolates of *Candida*, *Cryptococcus*, and *Blastomyces* Species 179

J.A. Karlowsky, G.G. Zhanel, T.V. Balko, S.A. Zelenitsky, A.M. Kabani, and D.J. Hoban

ANTIMICROBIAL SUSCEPTIBILITY STUDIES

- Activity of Selected β -Lactams, Ciprofloxacin, and Amikacin against Different *Acinetobacter baumannii* Biotypes from Chilean Hospitals 183

H. Bello, G. Gonzalez, M. Dominquez, R. Zelman, A. Garcia, and S. Mella

- In Vitro Activities of Antimicrobial Agents, Alone and in Combinations, against *Burkholderia cepacia* Isolated from Blood 187

D.C.-T. Lu, S.-C. Chang, Y.-C. Chen, K.-T. Luh, and W.-C. Hsieh

- Antimicrobial Activity of Trovafloxacin Tested against Ciprofloxacin-Susceptible and -Resistant *Neisseria gonorrhoeae*: Interpretive Criteria and Comparisons with Etest Results 193

R.N. Jones, M.S. Barrett, and T. Deguchi

- Serum Inhibitory Titers and Serum Bactericidal Titers for Human Subjects Receiving Multiple Doses of the Antibacterial Oxazolidinones Eperezolid and Linezolid 201

R.D. Schaadt, D.H. Batts, P.T. Daley-Yates, S.D. Pawsey, D.J. Stalker, and G.E. Zurenko

CASE REPORT

- Vertebral Osteomyelitis: Nontypeable β -Lactamase-Negative *Haemophilus influenzae* in an Adult: Case Report 205

C.D. Personius and C.J. Camp

SURVEILLANCE OF ANTIMICROBIAL RESISTANCE

- Surveillance of Drug Resistances 209

R.N. Jones

- Inducible Amp C β -Lactamase Producing Gram-Negative Bacilli from Blood Stream Infections: Frequency, Antimicrobial Susceptibility, and Molecular Epidemiology in a National Surveillance Program (SCOPE) 211

M.A. Pfaller, R.N. Jones, S.A. Marshall, S.L. Coffman, R.J. Hollis, M.B. Edmond, and R.P. Wenzel

NOTE

- Susceptibility of Ninety-Eight Clinical Isolates of *Legionella* to Macrolides and Quinolones Using the Etest 221

J. Schrock, B.A. Hackman, and J.F. Plouffe

